## PATENT COOPERATION TREATY

REC'D 2 6 MAR 2007

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR EUDTHER AC	~~~~	0 0 DOTTOR ////			
53951-137	FOR FURTHER AC		See Form PCT/IPEA/416			
International application No.	International filing date (	day/month/year)	Priority date (day/month/year)			
PCT/US04/36933	05 November 2004 (05.1		07 November 2003 (07.11.2003)			
International Patent Classification (IPC)	or national classification and	d IPC				
IPC: A61M 37/00( 2006.01), A61M USPC: 604/6.1,6.01,4.01,34,210/424,1						
Applicant						
NXSTAGE MEDICAL, INC.	<del></del>					
Examining Authority unde	er Article 35 and transmit	ted to the applicant acc	_			
2. This REPORT consists of	a total of sheets, incl	uding this cover sheet.				
3. This report is also accompa	anied by ANNEXES, cor	mprising:				
a. (sent to the applica	nt and to the Internation	al Bureau) a total of _	sheets, as follows:			
sheets of the this report ar	description, claims and/c	or drawings which hav rectifications authorize	we been amended and are the basis of ed by this Authority (see Rule 70.16			
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
			and number of electronic carrier(s))			
	Supplemental Box Re		hereto, in electronic form only, asListing(see Section 802 of the			
4. This report contains indicate	tions relating to the follo	wing items:				
Box No. II Pri	Priority					
<del></del>	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV La	Lack of unity of invention					
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
<del>[                                    </del>	Certain documents cited					
Box No. VII Ce	Certain defects in the international application					
Box No. VIII Ce	rtain observations on the	international applicati	ion			
Date of submission of the demand		Date of completion o	of this report			
06 June 2005 (06.06.2005)		07 March 2007 (07.03.2	2007)			
Name and mailing address of the IPEA/ US		Authorized officer				
Mail Stop PCT, Attn: IPEA/US		0,	aun Meere X <sup>6</sup>			
Commissioner for Patents P.O. Box 1450		Leslie R. Deak	MINI MIRELIE			
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Telephone No. 571-27	72-2975			
400 170. 77117613-3601		·	l			

Form PCT/IPEA/409 (cover sheet)(April 2005)

# .INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/US04/36933	

Box No. I Basis of the report
1. With regard to the language, this report is based on:
the international application in the language in which it was filed.
a translation of the international application into, which is the language of a translation furnished for the purposes of:
international search (under Rules 12.3 and 23.1(b))
publication of the international application (under Rule 12.4(a))
international preliminary examination (under Rules 55.2(a) and/or 55.3(a))
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):
the international application as originally filed/furnished
the description:
pages 1-31 as originally filed/furnished
pages* NONE received by this Authority on
pages* NONE received by this Authority on
the claims:
pages 32-37 as originally filed/furnished
pages* NONE as amended (together with any statement) under Article 19
pages* NONE received by this Authority on pages* NONE received by this Authority on received by the received
the drawings:
pages 1-15 as originally filed/furnished
pages* NONE received by this Authority on
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of:
the description, pages
the claims, Nos
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
the description, pages
the claims, Nos
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
* If item 4 applies, some or all of those sheets may be marked "superseded."

Form PCT/IPEA/409 (Box No. I) (April 2005)

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/36933

Box No. V Reasoned statement under Article applicability; citations and explan		h regard to novelty, inventive step or industria porting such statement	ıl
1. Statement			
Novelty (N)	Claims	1-15	YES
,	Claims	NONE	NO
Inventive Step (IS)	Claims	NONE	YES
		1-15	NO
Industrial Applicability (IA)	Claims	1-15	YES
masma reprioacinty (ire)		NONE	NO
design choice to design the Kritiviski diverter to create a change in the form or shape of a component. A change skill in the art.	the diverter area or the ge in form of channel is c a cylindrical in form or s tubular por diverter. The pending on itation of the tended to be s.	tiviski device is comprised of an outer and inner surfactoroidal, with an empty space in the middle, in shape, toroidal shape to the function of the device, a change in a shape is generally recognized as being within the level of the configuration since such a modification would have in thape is generally recognized as being within the level of the configuration. Applicant's recitation that the tubulation that the tubulation are the configuration. Applicant's recitation that the tubulation are the configuration of the invention. It has been held that a recomplexed does not differentiate the claimed apparatus	with a Nonetheless, a size of a rel of ordinary rel of ordinary rel of ordinary rel of ordinary rel does rel of ordinary rel does recitation with rel ordinary rel of ordinary rel ord